INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Renghity	REPORT	25X1
SUBJECT	Military and Civilian Cartographic Facilities and Programs	DATE DISTR.	
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- 1. The Military Cartographic Institute, Hanved Terreposanti Intenst (MTI), is located at Malinovsky Fasor 7 9, Badapest XII. The building had a regular military gard, comprised of 80 to 25 soldiers takes from the Badapest Guard Installion. The whole gard was changed every 24 hours at 2:00 p m daily. Four gards were constantly on daily and these units were changed every two hours. Guards were armed with rifles or machine pistols and had orders to open fire after the second call to halt. Only approved personnel, equipped with identification cards, were permitted to enter the HTI Handquarters. All cards were checked by the guard on daily at the main entrance. Even military personnel not directly employed at HTI were required to have a special pass from the Ministry of Defunce before they could come into the HTI.
- 2. However we also restricted within the ETI. For instance, the library room could only be entered for official business and with the permission of a department head. After working hours canh deak and drawer in the building is locked. But door is locked by a regular lock plus a security lock, and all doors are checked by the officer on duty. If some one wants to work late, he must have the authorization of a department head and the last person who lockes a room after regular working hours must call the officer on duty to check each drawer and schimet and to lock the door with the security lock.
- 3. Topographic rectification to bring all maps up to date was completed in 1952. A new survey using the Gauss-Krueger system was started in 1953 and was expected to be completed constinue between 1960 and 65. Although there was a plan in this new survey to make the base map in the scale of 1:10,000 after the Soviet pattern, the astual survey started in the scale of 1:25,000.
- h. hever now any civilian additions of any large scale military map. So called educational maps in the scale of 1:500,000 or smaller were evaluable but there was a law under which any person possessing a contour map (that is a map with contour lines relating altitudes to see level) in larger scale than 1:500,000 could be pumished by one or more years in prison.

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5. HTI had a training program for map officers to be assigned to army divisions. Such officers handled map distribution and registration within the division. Another function was to advise the division commander in matters pertaining to terrain while on maneuvers and to carry on surveying, aerial photography and map plotting.

6. Duties Performed by Miscellaneous Departments of MIT:

- a. Aerial Photogrammetric: Taking photographs, developing films made by the department. Hectification of photos, photomosaics and sometimes ground control surveying, however this was usually done by the geodetic department. Aerial surveying of mountains and plain, flat areas, supplying other departments with contact copies or rectified photographs.
- b. Cartographic: Map drafting in five colors, red, yellow, black, green and blus. One basic map, paper mounted on aluminum board, consisting of all the horizontal details, buildings, roads, vegetation's boundry, bridges, creeks, lakes and rivers. One contour sheet, one name-sheet, one vegetation qualifying sheet. The drafting is made on a blue-printed sheet, the print is made from the topographer's worksheet. The print is in 1:20,000. Making smaller scale maps, 1:50,000, 1:100,000 by generalization. Computing corner point coordinates for sections. Selecting the right nomenclature for maps. Prescribing the proper size and form of names used on maps to the printing shop. Making illustrations, elevation shown by different colors, shedows, lines, educational aids, maps, relief maps.
- c. Geodetic: Leveling, triangulation, usually TV V order, ground control surveying for serial photogrammetric department. Monument establishment. They provide the necessary basis of horizontal and vertical base points for the topographic department.
- d. Scientifie: Compilation of foreign professional books, magazines, research, relations with universities, miscellaneous scientific establishments, and improving methods.
- e. Technical: Lithography, photography and typography, all functions of map printing. The instrument shop repairs the instruments, develops new instruments and miscellaneous devices for the departments.
- f. Topographic: Topographic surveying in plane table method, (very seldom triangulation) leveling. Country surveying, taking photographs of characteristic points, recording the characteristic data of villages, towns, cities, number of population, social structure of the population, and names of reliable people in the community. In other words, all the information that might be helpful to a military unit. On each job, usually one topographer per village, or per section, one section 8 x 8 kilometer or 60 to 64 square kilometer.

7. Budepest Geodetic and Cartographic Enterprise (BCTV):

a. The BOTY was located at Anker kos 1, Budapest VI. It was an independent unit of the Committee of Ministers and its work was based on the data of Magyei Foldmeresi as Terisposanti Rivatal and the Foldmeresi as Foldmyllvantartasi Felugyeloseg. The BOTY's 1:5,000 survey was made on the above two organizations so called "hatessteri" map. In obtaining its geodetic data, BOTY coordinated its afforts with the HTI and the Humgarian Geological Institute. The Geodetic data was based on the Budapest Gellertberg (Tower top of observatory) and Molo Sartorio (Trieste). The latter was changed to Kronstadt in 1953 by the HTI and in 1954 by the BOTY.

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b. The 1:500,000 map did not have a military version and until 1954 no 1:500,000 maps were printed, the sheets being stored in the office of the topographic department. Later the sheets were redrawn by the cartographic enterprise and may have been printed by now (1959).

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The topographic surveying of Hungary was complited in areas shown till the summer of 1955 by the Budapest Geodetic and Cartographic Enterprise /BGTV/.

Mainly numerical method, only a few sheets were surveyed by plane table method.

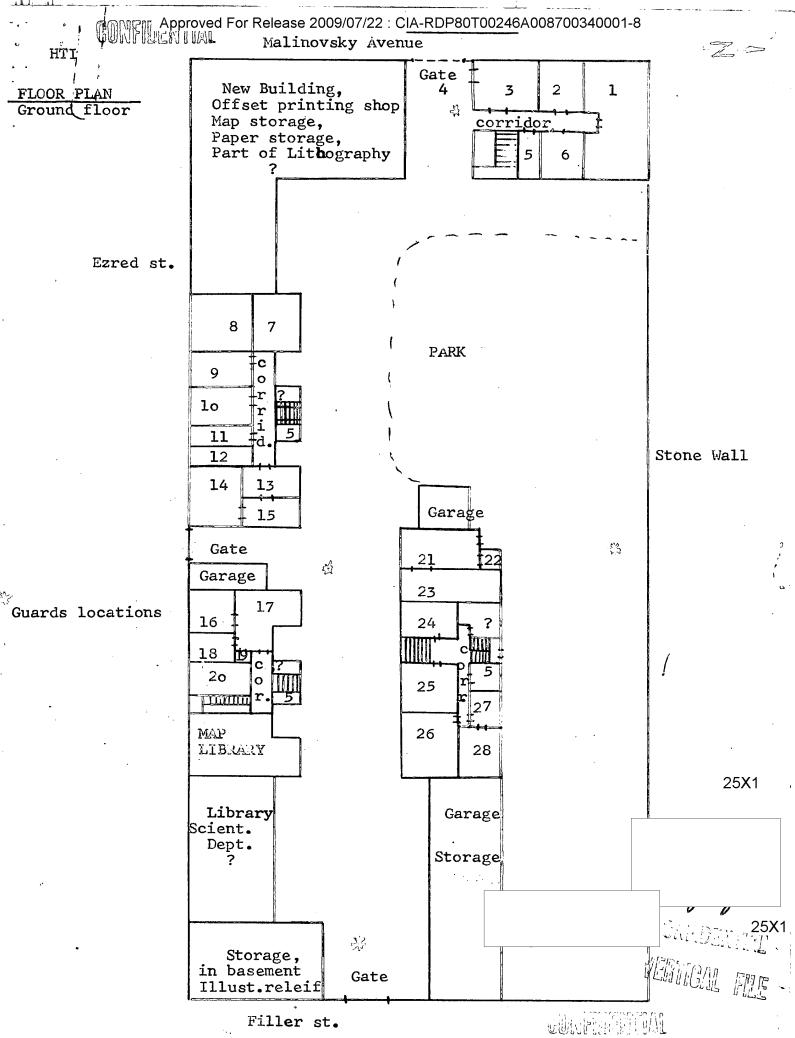
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VERTICAL FILE
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FLOOR PLAN Ground Floor.

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Room of the guard
 2.
     Telephone Exchange.
     Room of the officer on duty.
 4.
     Gateway.
 5.
     Restroom.
 6.
     Cell /?/
 7.
     Lithographic Dept.
 8.
 9.
     Illustration / Graphic/
1o.
     Small scale cartography.
     Doctor's office. / waiting room./
11.
12.
13.
     Photo lab.
           11
14.
15.
16.
     Photogrammetric Dept. Stereo
17.
                            Plane
18.
                            Office of the head of dept.
19.
     Darkroom.
20.
     Rectifying room. /Plane./
     Instrument Shop.
21.
22.
     Storage Room.
23.
     Instrument Shop.
24.
     Geodesic Dept.
25.
     Storage for the Photogrammetric Dept.
26.
     Office of the transportation, officer of vehicles.
27.
     Paper and drafting instruments, storage of office supply.
     Office of the officer of maintenance.
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Instrument storage

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FLOOR PLAN. Second Floor.

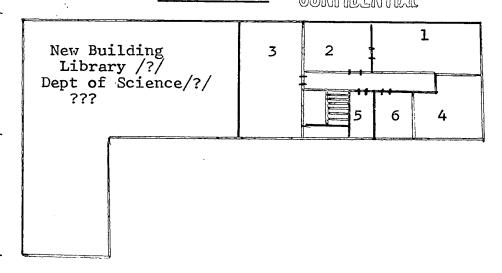


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1.
      Office of the commander.
 2,
      Commander's assistant officer.
 3.
      Office of the technical commander./?/
 4.
      Office of the commander of staff.
 5.
      Restroom.
      Office of Qualified, secret administration.
 6.
 7.
      Drafting room / 2 nd. subdiv./
8.
9.
      Receptionist of the head of dept. /Cartographer./
lo.
      Office of the head of dept.
11.
      Nomenclatura registration.
12.
      Drafting room
                     / l st. subdiv./
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         11
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      Drafting room.
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      Room of the old command. /during the building of the front part./
20.
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22.
      Living Quarters of the Cartographer Officers' School, Schoolrooms.
23.
      Kitchen.
24.
      Dining room.
25.
      Bookkeeping. /?/
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      Office of the foodsupplying sect.
27.
28.
      Office./?/
29.
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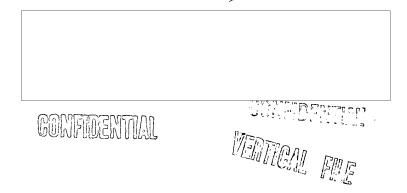


HTI

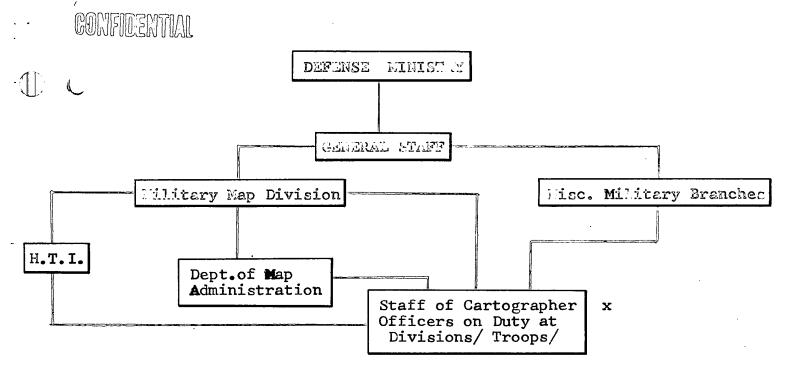
FLOOR PLAN. Third Floor.

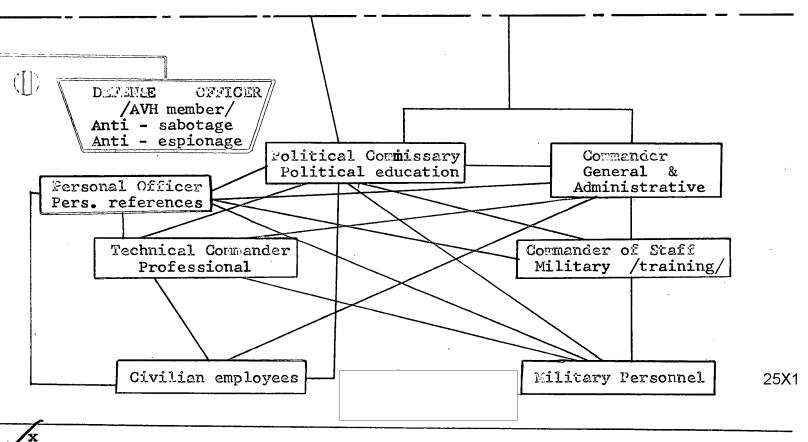


- Political dept.
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- Office of the personal officer. Office of the defense officer. 3.
- 4.
- 5.
- Restroom.
 Office /?/



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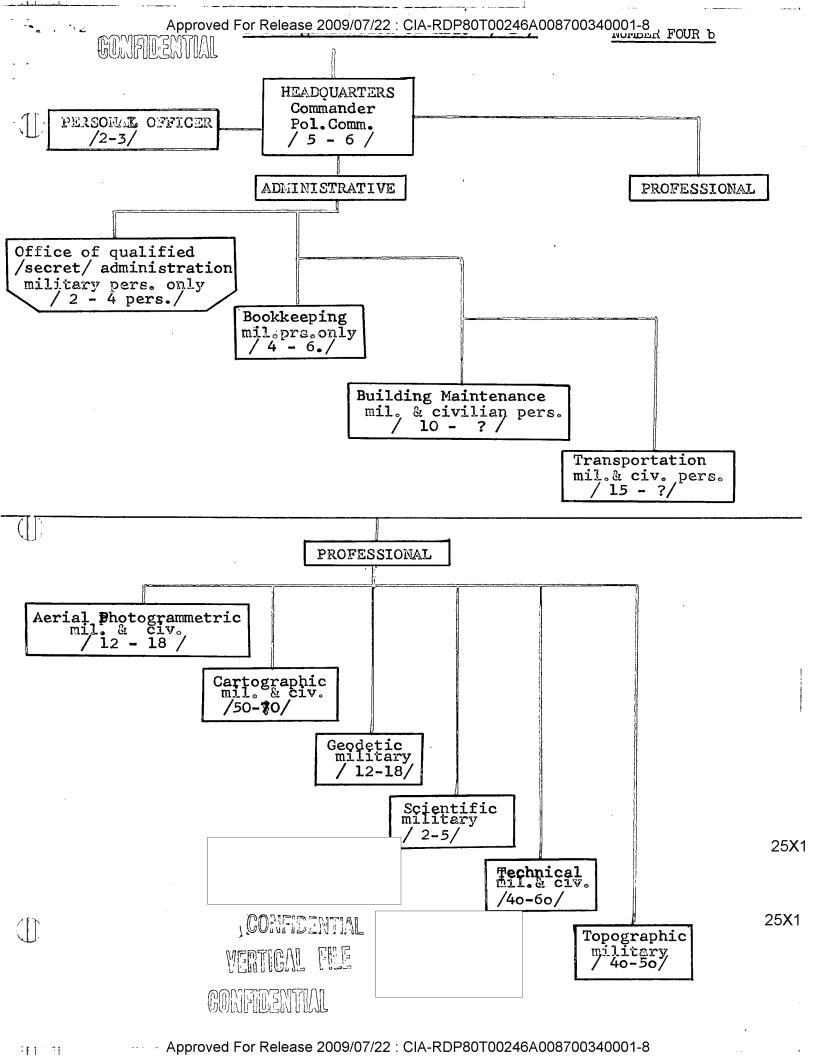


Cartographer Officer on duty at divisions = trained Cartographer officer on duty at different divisions /cca. 12,000-15,000 men/ to administrate the map distribution, map registration, to instruct the officers of the division, to advise to the commander of the division in wartime and maneuvre, and performs the necessary surveying, aerial-photo qualification, and plotting. Those officers were trained by HTI.

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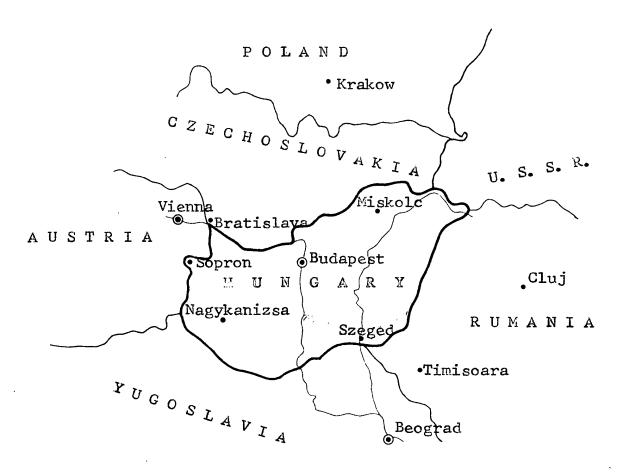
The topographic rectification of Hungary was finished in 1952.

The new topographic surveying in Gauss-Krueger system started at the spring of 1953 in the areas shown.

The surveying was made in

plane-table method.

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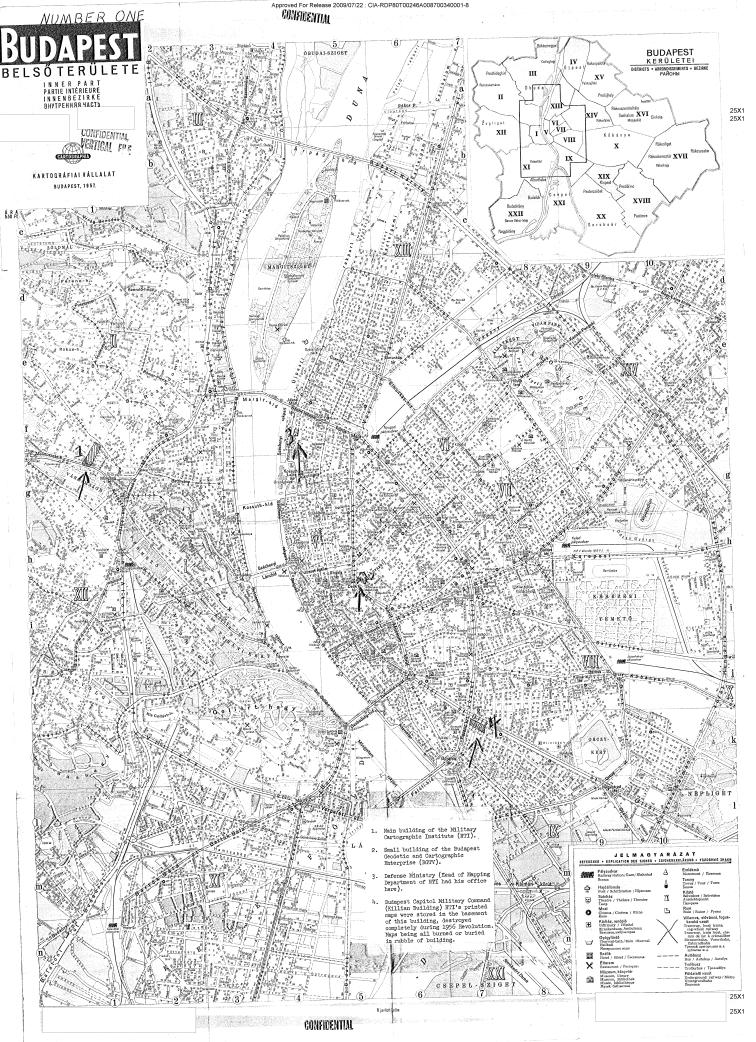


Topographic rectification = adjusting the map up to date, without actual surveying, / unless absolutely necessary / on the field, by comparison, with the help of aerial-photos.

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— Francis Childs for the "Francis Childs for "Francis Child for "Fr 33 Dráva u. — Plum — Csanádi u. — Flum — Sereknári di 34 Obuda, Plóritán dir — — Semtendrei di — — Plaikiosifindo 35 Nagyvárad ide – - Ulbij út – - Lifelne, Tűnér laktanya 37e Obuda, Platin sar — Erefalla di 104 37] Obuda, Plérién tér — Testvérhogy, Jableokai ét — 39 | Southwestern | Martinok Sta |
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4 43 Nyugati pu. —
— Váci ti . —
— Olpent, Selfskeyi ulca
45 Mérica Zs. körére —
— Patoli, kid — Nagykörét —
— Patoli, kid — Nagykörét — 46 Felstabadulis tér – — Kerepesi út – — Mátyászilá, Árpád v. 40 - Nasy -49 Messkya tér -- Pillér u. -- Rékushegy, Gábor Áron u. - Rékushegy, Gábor Áron u. 53 Notice Zs. kilotér — — Bockial u. — Sasadi út — — Farikasrét, Ilé u. 54 Nagryárad tár — — UDM út — Pannonia u. — — Kiszest, Mallinovszki u. 55 Obuda Mildes - Bedalins reptor

8 Meether tot - Kdevellen tot - Beda kirdly of

29 Solynder tot - Solynder tot - Vordehabaren u. 60 Saltein sier — Linchid — — Obuda, Florida sier 30 Bleet di -- Sobyediget di -- Fennograge Vensigis 31 Hungária köröt – — Egressy út – — Egressy út – Arpiátóla Menyhéri u. 67 Baros tér — — Rikuskeresztür 32 Kébánya, Zalka M. tér — — Nagy Lajos király étja — — Stegedi ét — Françopás us

65 Pauler u. - Higher inta- miles int -VILLAMOSVONALAK BELSO TERCÉTEK TRAMWAY-ROUTES
BERGER SECTION PRODUCTS
STRASENBAHN LINIEN
ROBERSTRASE NO SECURITE
ROBERSTRAND SECURITE 24 Keleti pu, infulfat oldul — — Flumet út — Hámán Kató u.— — Közvágöltő 1 Marx tér — — Vást út — — Ülpest, Vasáti hád 25 Thilbity at -- Majus 1. ot -- Allatkert 26 Orcey tife — Köbünyai ét — Maglédi ét — Akna utes 264 - Jácoberényi ét 5 - Szentendrei üt -28 Jázzet körüt —
— Salgótarjáni u. – Maglódi út —
— Üj köztemető 6 Petőli-hád budal hádés —
Nagykérés — Margit-hád —
Morakva tér

pa Margit-hád —
— Bersi és — Frankel Leé utca —
— Otradal kecsissés 29 Jéssef körát – – Népszínház v. – Salgétarjáni v. – – Oj töversenytér 30 Negliget — United St. — Galbacel ut — Pesternelbet, Nagy Sandor u. - Pesteczelbet, Nazy Sándoř u.

304 - Pesteczelbet, Nazy Sándoř u. 9 Mérica Zoigmond Metér — — Bartok B. út — Budai Dunapart — — Margit-hid 11 - Margit trid --- Frankel L. u. - Korvin O. u. --- Obudal koesterin 31 Borderes têr --- Soroksári út -- Gubecsi út --- Pesternadori, Pacificalelep 11 — OURDAN SORRENT 12 Marx VIII — Bisjony Za. út — — Lichel út — Bisjony Za. út — Crefdell út — Bishet út — — Marx Mer — L. Biske út — — Lamber Jené üzem 32 Februaries de - Oubscel de - Societario de - Oubscel de - Pesterabet, Stabbledep - 33 Marx de - Vici de - Arpdeldid - Obrahil koesiscin 334 Váct út -Ptortán tár -15 Jászal Maril Gr. –
Delva uten –
Vást út

Nárit út

Ná 36 József körüt — — Népazisház u. — —Kötányal út — — Köpána tér 38 József kölrát – Népezinház u. – Salgiózriáni u. – Espery Zs. histosys 21 Ferene birút — - Mester u. — - Markusovady út — - Kterágábát 43 Killin laktanya — — Dibis st — Ady E.u. — — Kisyest, Téth Arpid u. 22 Boráres tér — — Soroksári út — Kikötői főút — — Negyvásárielep 44 Márchus 15. tér — Thilistly út — Bosnyák tár 23 Keleti pu. indutici cidal —
— Fiumei üt — Vajčv Péter u. —
— Eleviscolid 234 - Kitevispinia 45 Márelus IS. tér – — Krasuth L. u. — Ráktórzi út – — Keleti pu. indulási oldal 477 **Mirkoz Zs. körtér — — Pebérvári út — — Budafok, Forgalist telep 63 János Kórhás — Déli pu, — Szabedzág híd — Negyvázad éfe — Thákály úl: — Ezzebet királynő úlja — Bellet I. u. — Rákospalota, Dázaa Gy, úl 66 **Margitt-bid - Negyklirist - Petidit-bid butat bidds -48 Mórica Zs. körtér – Albertfalva kötérő 49 Kelenftidi pülyandvar –
Barick B. át –
Smbodség-hid –
Mark ifer 67 Március IS. tér — Erzelbet — Rikkórzi út — Erzelbet 68 Megyerédi út – - Márcies 15. tér 50 Nagyvárad tér — — Ulifé át — Victohadsereg átja — — Pestiférine, Béles tér 504 - Nagyriand tie - Rispest, Surryusesiens 70 Erzebet birsiyas eti atetjäre – – Majakovsekij u. – Nagymeni u. – – Kasseth Lajos tër 51 Nagyvárad tér - Olik át - Nagykörösi át - Kispest, Malinovski s. 72 Marx tér — Rudas L. u. —
— Dissa Gy. út — Fungária köröt—
— Thikkiy út sarek 51 A Nagyvárad tér – Rhyani, Háromszék n. 73 Keleti yu. êrkezêsî aldal — — Izabelîa u. — Rudas L. u. — — Marx ids 52 Idalich tie -- Ulbi üt - Vorüsbadsereg ütju -- Kispest, Vilharytelep 74 Oresy têr — . — Kecskemêtî u. — . Március 18. têr 53 Nazyvárad tér — — Ollá út — Bajony Za. út — — Marx tér 75 Nephjest - Hungisela körst - Dona Gy. in - Viet út 55 Marx tor — — Vári út — Arpád út — — Rékospalota $75 {\rm A}^{{\rm Néphiget} \, - \atop - \, {\rm Thirth Hy} \, \, et}$ 56 Messkya tér — Verschadserez trija — Verschadserez trija — Hérkövflay — Saglingeti 01 — Zuglingeti 01 — Zuglingeti — 76 Keleti pa. érkezősi eldál — — Izabella u. — Elmunkás-hid — — Jászal Mari tér 777 Orecty tile — — Barces vs. — — Kälvin tile 78 Murinyl u. — Kossuth Lajos tér 79 Barous tir — — Nedelelejts utca —

Doronamol V, XIV d. 10 — e 8
Doronamo kir Delba XIV d. d.
Doronamo kir Delba XIV d.
Doronamo kir Delba XIV d. d.
Dolonamo kir VIII, XIII, XIV d. d. — h. 1
Dolonamol V. III v. d. d. d.
Doronamol V. II i. 4
Doráva V. XIII d. 5
Drágady V. IX i. 7
Dugonica V. VIII k. 9
Dugovica Tilus teir III b. 4
Duna v. V. i. 5 — j. 5 F.k. = Fortuns kés 1 h 2 F.l. = Fillér képcső II e 1 Fadrusz u. XI = 3 - 1 4 Fajdu. II 6 2 † Falk Mikos u. = Néphadsereg u. V f 4 E. u. = Estibe u. Xt n 2 Esse u. XI m 3 Edison kie XIV e 10 Edison u. XIV e 10 Edison u. XIV e 10 Gumbooz Zózda u. . . . Přídes Gracky Rase VI., WII g T 1 (Savorou. ... W Komena Gumboo X. ... W Komena Gumboo X. ... W Komena Gumboo X. XIII d 3 (Godoba X. XII d 3 (Godoba X. Fig. 1, II (3 — h. 3 Foods will b 2 — a 3 Foodsday 1, IR a 3 † Fócan tós — Dimitros ter Fondsode X, IR a 2 Francis to XII m 1 — m 2 Francis to XII m 2 — a 10 Francis to XII m 3 — a 10 Francis to XII m 3 — a 10 Francis to XII n 3 — a 1 Francis G. a. — Grant II for Galla XIII is Galla XII is Galla XIII is Calla XIII is Galla XIII is Calla XIII is Galla XIII is Galla XIII is Galla XIII is Galla XIII is Calla XIII is Calla XIII is Calla XIII is Calla XIII is Ca Gyan ax 11 s o Operant ax 27 s

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| The state of the

Intrins VII h 6
Kesmicht u. XI k 2
† Kentholsecurt u. = Eget 1/6000 U. XI 1 b
Eget 1/6000 U. XI 1 b
Kewbiha u. † Jogar u.
XI m 2
K. O.tée = Kárról Gáspár tée
XI 1 4 V B
Kágró u. XI n 3
Köznől – Tőút XXI n 7
Künől ble XI n 3
Köznől – Tőút XXI n 7
Kü u. = Káltásu II d 2
XXI u. † Sau. Adalbert tée

† Kulső Andrássy út — Kacsáh Pongrác út XIV e 9 — d 10 Kürt u., † Valeró u. VII h 6 Kvassay Jenő út IX n 7

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Résey 1. N | 6
Résey

VIII 3 9
Rösser Flödis u., † Zörda'i
II e 2
Röra ü. XIV d 10
Röra ü. XIV d 10
Röra va . XIII d 6
Röösevi ü. XIII d 6
Röösevi ü. XIII d 6
Röösevi ü. XIII d 7
Röösekä ü., † Karmelita u.
XIII d 7
XIII d 7
Rössekä ü., † Karmelita u.
XIII d 7

Smither, N. W. 6 19
Smither, N. W. 6 19
Smither, N. W. 11
Smither, N. S. 19
Smither,

T. u. = Tamis u. XII j l T. u. = Treadur u. VII h T T. i. = Toldy léposé i g S Taboro u. i h 2 Taboros u. XIV h 10 Tagés u. IX n 8 Tahi u. XIII a 7 Táju, † Táják u. XI k i

Oriu. I g 2 — h 3 Utász u. XIV h 10 Ottóző tér IX j 6 Uzsokiu. XIV d 16

U. u. = Utegu. XIII c 7
Ogyéssu. XII h 1
UDSi út VIU, 1X, X 5 s-110
Urdeni u. II c 2 - d 3
Ogéédeu. II c 3
Utegu. (U. u.) XIII c 7

Tümünü u, XIV d 10
Udvard u, XIV d 10
Ugocaa u, XII i 1
Ugoca u, XII i 1
Ujoca u, XII i 1 Zámeri u. XI a 3 † Zápozya u. — Gepü u. XIII d 3 . — b 3 Žápoz u. III a 3 . — b 3 1 II a 1 . — II a

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Several polymeries VI. 1 a

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